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the merozoites. The merozoites were few in number, with definite nuclei. The reticulum was coarse. The plasmodia were regular in shape, and the red cells to which they were attached were slightly decreased in size.

Diagnosis.

The clinical symptoms, with the endogenous cycle of development of the plasmodia of 72 hours, show that the cases were of quartan malaria. This was further shown on microscopical examination of the blood. (Quartan malaria has heretofore not been reported in California.)

PLAQUE-PREVENTION WORK.

LOUISIANA—NEW ORLEANS—PLAUE ERADICATION.

The following reports of plague-eradication at New Orleans were received from Surg. Creel, of the United States Public Health Service, in charge of the work:

WEEK ENDED JAN. 8, 1916.

OUTGOING QUARANTINE.		LABORATORY OPERATIONS.	
Vessels fumigated with sulphur.....	16	Rodents received by species:	
Vessels fumigated with carbon monoxide..	13	Mus rattus.....	155
Vessels fumigated with cyanide gas.....	4	Mus norvegicus.....	934
Sulphur used, pounds.....	2,494	Mus alexandrinus.....	178
Coke consumed in carbon-monoxide fumigation, pounds.....	21,000	Mus musculus.....	6,729
Cyanide used in cyanide-gas fumigation, pounds.....	128	Wood rats.....	215
Sulphuric acid used in cyanide-gas fumigation, pints.....	192	Musk rats.....	77
Clean bills of health issued.....	30	Putrid (included in enumeration of species).....	68
FIELD OPERATIONS.		Total rodents received at laboratory.....	8,288
Rodents trapped	8,050	Rodents examined	2,190
Premises inspected.....	6,267	Rats suspected of plague.....	26
Notices served.....	859	Plague rats confirmed.....	None.
Garbage cans installed.....	86	PLAUE STATUS TO JAN. 8, 1916.	
BUILDINGS RAT PROOFED.		Last case of human plague, Sept. 8, 1915.	
By elevation.....	95	Last case of rodent plague, Dec. 28, 1915.	
By marginal concrete wall.....	130	Total number of rodents captured to Jan. 8. 567,693	
By concrete floor and wall.....	102	Total number of rodents examined to Jan. 8. 316,683	
By minor repairs.....	178	Total cases of rodent plague to Jan. 8, by species:	
Total buildings rat proofed.....	505	Mus musculus.....	6
Concrete laid, square yards.....	6,826	Mus rattus.....	18
Premises, planking and shed flooring removed.....	86	Mus alexandrinus.....	9
Buildings demolished.....	46	Mus norvegicus.....	239
Total buildings rat proofed to date (abated)	98,501	Total rodent cases to Jan. 8, 1916.....	272

WEEK ENDED JAN. 15, 1916.

OUTGOING QUARANTINE.	LABORATORY OBSERVATIONS—continued.
Vessels fumigated with sulphur.....	12
Vessels fumigated with carbon monoxide.....	11
Vessels fumigated with cyanide gas.....	6
Sulphur used, pounds.....	650
Coke consumed in carbon-monoxide fumi- gation, pounds.....	14,800
Cyanide used in cyanide-gas fumigation, pounds.....	146
Sulphuric acid used in cyanide-gas fumiga- tion, pints.....	218
Clean bills of health issued.....	30

FIELD OPERATIONS.

Rodents trapped.....	8,327
Premises inspected.....	6,764
Notices served.....	903
Poisons placed.....	4,677
Garbage cans installed.....	56

BUILDINGS RAT PROOFED.

By elevation.....	86
By marginal concrete wall.....	142
By concrete floor and wall.....	193
By minor repairs.....	246
Total buildings rat proofed.....	667
Concrete laid, square yards.....	7,445
Premises, planking and shed flooring re- moved.....	107
Buildings demolished.....	93
Total buildings rat proofed to date (abated). 99,168	

LABORATORY OPERATIONS.

Rodents received by species:	
<i>Mus rattus</i>	138
<i>Mus norvegicus</i>	799
<i>Mus alexandrinus</i>	127

Rodents received by species—Continued.

<i>Mus musculus</i>	6,916
Wood rats.....	261
Musk rats.....	10
Putrid (included in enumeration of spe- cies).....	57
Total rodents received at laboratory.....	8,274
Rodents examined.....	2,097
Rats suspected of plague.....	41
Plague rats confirmed.....	1

PLAQUE RAT.

Case No. 273:	
Address, 111 Lafayette Street.	
Captured, Dec. 17, 1915.	
Diagnosis confirmed, Jan. 13, 1916.	
Treatment of premises: Intensive trapping, removal of wooden flooring and replacement with concrete; destruction of rat harbors.	

PLAUE STATUS TO JAN. 15, 1916.

Last case of human plague, Sept. 8, 1915.	
Last case of rodent plague, Dec. 28, 1915.	
Total number of rodents captured to Jan. 15. 576,020	
Total number of rodents examined to Jan. 15.....	318,780
	=====

Total cases of rodent plague to Jan. 15, by
species:

<i>Mus musculus</i>	6
<i>Mus rattus</i>	18
<i>Mus alexandrinus</i>	9
<i>Mus norvegicus</i>	240
Total rodent cases to Jan. 15, 1916....	273

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

WEEK ENDED JAN. 1, 1916.

Total rats taken.....	261	Classification of rats killed by sulphur dioxide:
Rats trapped.....	217	<i>Mus alexandrinus</i> 12
Rats shot from trees.....	15	<i>Mus rattus</i> 2
Rats killed by sulphur dioxide.....	14	Average number of traps set daily..... 984
Examined microscopically.....	234	Cost per rat destroyed..... cents.. 28
Showing plague infection.....	0	Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.
Classification of rats trapped:		Last case human plague, Honolulu, July 12, 1910.
<i>Mus alexandrinus</i>	76	Last case rat plague, Hamakua Mill, Paauilo, Hawaii, Dec. 15, 1915.
<i>Mus musculus</i>	82	Last case human plague, Paauhau Plantation, Hawaii, Dec. 16, 1915.
<i>Mus norvegicus</i>	45	
<i>Mus rattus</i>	29	
Classification of rats shot from trees:		
<i>Mus alexandrinus</i>	12	
<i>Mus rattus</i>	3	

Hilo.

WEEK ENDED DEC. 25, 1915.

Rats and mongoose taken.....	2,226	Classification of rats trapped and found dead:	
Rats trapped.....	2,185	Mus norvegicus	328
Rats found dead.....	4	Mus alexandrinus.....	299
Mongoose taken.....	37	Mus rattus.....	649
Rats and mongoose examined macroscop-ically.....	2,226	Mus musculus.....	913
Rats and mongoose examined microscop-ically.....	3	Last case of rat plague, Paauilo, Dec. 15, 1915.	
Rats and mongoose, plague-infected.....	None.	Last case of human plague, Kalopa, Paauhau, Dec. 16, 1915.	

PORTO RICO—PLAQUE PREVENTION.

The following table shows the number of rats, mice, and mongoose examined in Porto Rico for plague infection during the two weeks ended January 7, 1916:

Place.	Rats.	Mice.	Mon-goose.
San Juan.....	127	9
Puerta de Tierra.....	87	6
Santurce.....	253	12	1